

Recovery Plan Action Status

Plan Name: Roan Mountain Bluet

Plan Status: Final

Plan Date: 13-May-96

Lead Agency: USFWS

Lead Office: Asheville Ecological Services Field Office

(258-3939)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Roan Mountain bluet (Hedyotis purpurea var. montana)	1	1	Develop interim research and management plans in conjunction with landowners	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Management	Labor type not yet selected	[From Recovery Plan: For all tasks Responsible Parties: SCA - State plant conservation agencies of participating States. In North Carolina, these are the Plant Conservation Program (North Carolina Department of Agriculture) and the Natural Heritage Program (North Carolina Department of Environment, Health, and Natural Resources); in Tennessee, the Natural Heritage Program (Tennessee Department of Environment and Conservation); FA - Other Federal Agencies includes the U. S. Forest Service and National Park Service. Concurrent with Task 1.3]
Roan Mountain bluet (Hedyotis purpurea var. montana)	2	10	Search for additional populations	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Research: Population Surveys	Labor type not yet selected	

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Roan Mountain bluet (Hedyotis purpurea var. montana)	2	11	Conduct controlled pollination tests	Partially Complete			U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Research	Graduate Student	
Roan Mountain bluet (Hedyotis purpurea var. montana)	2	12	Assess recruitment and seed-bank dynamics	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Research, Research: Demographic Studies, Research: Migration	Labor type not yet selected	[CLWells, 6/27/2006] Partners have alluded to plans to conduct such research, however USFWS recovery lead has not confirmed that this work was performed. I am in process of confirming the scope of prior work with this species, and requesting supporting information from partners as needed.[From Recovery Plan: Concurrent with Task 2.1]
Roan Mountain bluet (Hedyotis purpurea var. montana)	2	13	Monitor fruiting plants and capsule diameters	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Research	Labor type not yet selected	[CLWells, 6/27/2006] Partners have alluded to plans to conduct such research, however USFWS recovery lead has not confirmed that this work was performed. I am in process of confirming the scope of prior work with this species, and requesting supporting information from partners as needed.[From Recovery Plan: Concurrent with Task 2.1]

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Roan Mountain bluet (<i>Hedyotis purpurea</i> var. <i>montana</i>)	2	14	Develop electrophoretic sampling methods to monitor patterns of genetic variation	Ongoing Current	FY 2007		U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Research: Genetics	Labor type not yet selected	[From Recovery Plan: Concurrent with Task 2.1]
Roan Mountain bluet (<i>Hedyotis purpurea</i> var. <i>montana</i>)	2	15	Compare electrophoretic value to published values	Partially Complete			U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Research: Genetics	Labor type not yet selected	[From Recovery Plan: Concurrent with Task 2.3.2]
Roan Mountain bluet (<i>Hedyotis purpurea</i> var. <i>montana</i>)	2	16	Determine seed shadow and the suitability of potential habitat for recruitment	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Research: Habitat Requirements, Research: Habitat Status, Research: Migration, Research: Population Surveys	Labor type not yet selected	[From Recovery Plan: Concurrent with Task 2.1]
Roan Mountain bluet (<i>Hedyotis purpurea</i> var. <i>montana</i>)	2	17	Characterize those natural processes that create habitat that can be colonized	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Research: Habitat Requirements	Labor type not yet selected	[From Recovery Plan: Concurrent with Task 2.1]
Roan Mountain bluet (<i>Hedyotis purpurea</i> var. <i>montana</i>)	2	18	Assess subpopulation persistence using guidelines emerging from Tasks 2.1 through 2.4	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Research: Habitat Status, Research: Population Surveys	Labor type not yet selected	[From Recovery Plan: After Tasks 2.1 through 2.4 have been completed]
Roan Mountain bluet (<i>Hedyotis purpurea</i> var. <i>montana</i>)	2	19	Project subpopulation persistence under current conditions	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Research: Habitat Requirements, Research: Habitat Status, Research: Population Surveys	Labor type not yet selected	[From Recovery Plan: After Tasks 2.1 through 2.4 have been completed]

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Roan Mountain bluet (Hedyotis purpurea var. montana)	1	2	Determine habitat protection priorities and alternatives	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Acquisition, Management	Labor type not yet selected	[From Recovery Plan: Concurrent with Task 1.1]
Roan Mountain bluet (Hedyotis purpurea var. montana)	2	20	Project genetic variation	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Research: Genetics	Labor type not yet selected	[From Recovery Plan: After Tasks 2.1 through 2.4 have been completed]
Roan Mountain bluet (Hedyotis purpurea var. montana)	2	21	Be prepared to manage for control of inbreeding depression	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Research: Genetics	Labor type not yet selected	[From Recovery Plan: After Tasks 2.1 through 2.4 have been completed]
Roan Mountain bluet (Hedyotis purpurea var. montana)	2	22	Identify suitable habitat	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Research: Habitat Requirements	Labor type not yet selected	
Roan Mountain bluet (Hedyotis purpurea var. montana)	2	23	Determine capability of freshly produced seeds to reach suitable habitat	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Research: Migration	Labor type not yet selected	
Roan Mountain bluet (Hedyotis purpurea var. montana)	2	24	Determine rate of habitat regeneration	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Management: Habitat Maintenance and Manipulation, Research: Habitat Status	Labor type not yet selected	

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Roan Mountain bluet (Hedyotis purpurea var. montana)	2	25	Subdivide local population units	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Other	Labor type not yet selected	[From Recovery Plan: After Tasks 2.1 through 2.4 have been completed]
Roan Mountain bluet (Hedyotis purpurea var. montana)	2	26	Develop management alternatives	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Management	Labor type not yet selected	After Tasks 2.1 through 2.4 have been completed
Roan Mountain bluet (Hedyotis purpurea var. montana)	2	27	Conduct off-site horticultural studies	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Other	Labor type not yet selected	
Roan Mountain bluet (Hedyotis purpurea var. montana)	2	28	Conduct on-site field studies	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Other	Labor type not yet selected	[From Recovery Plan: After Tasks 2.1 through 2.4 have been completed]
Roan Mountain bluet (Hedyotis purpurea var. montana)	2	29	Introduce/reintroduce the species into appropriate habitat	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Management: Propagation, Management: Reintroduction, Research: Propagation, Research: Reintroduction	Labor type not yet selected	[From Recovery Plan: After Tasks 2.1 through 2.4 have been completed]
Roan Mountain bluet (Hedyotis purpurea var. montana)	1	3	Provide habitat protection	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Acquisition, Management, Other: Information and Education, Other: Law Enforcement, Other: Regulations	Labor type not yet selected	[From Recovery Plan: Cost not determinable]

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Roan Mountain bluet (Hedyotis purpurea var. montana)	2	30	Maintain and expand cultivated sources for the species and provide for long-term maintenance of selected populations in cultivation	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Research: Reintroduction	Labor type not yet selected	
Roan Mountain bluet (Hedyotis purpurea var. montana)	3	31	Prepare and distribute news releases and informational brochures	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Other: Information and Education	Labor type not yet selected	[From Recovery Plan: Results of ongoing research are needed to develop brochures and displays]
Roan Mountain bluet (Hedyotis purpurea var. montana)	3	32	Prepare article for popular and scientific publications	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Other: Information and Education	Labor type not yet selected	
Roan Mountain bluet (Hedyotis purpurea var. montana)	1	4	Determine population size for all populations	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Research: Population Surveys	Labor type not yet selected	
Roan Mountain bluet (Hedyotis purpurea var. montana)	1	5	Identify the most significant threats	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Management, Other, Research: Habitat Requirements, Research: Habitat Status, Research: Management Techniques, Research: Population Surveys	Labor type not yet selected	Concurrent with Task 2.1
Roan Mountain bluet (Hedyotis purpurea var. montana)	1	6	Identify transient threats to subpopulations	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Research: Habitat Requirements, Research: Habitat Status, Research: Management Techniques, Research: Population Surveys	Labor type not yet selected	Concurrent with Task 2.1

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Roan Mountain bluet (<i>Hedyotis purpurea</i> var. <i>montana</i>)	1	7	Specify threats observed in the life-cycle censuses (Task 2.1)	Not Started			U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Research: Habitat Requirements, Research: Habitat Status, Research: Management Techniques, Research: Population Surveys	Labor type not yet selected	Concurrent with Task 2.1
Roan Mountain bluet (<i>Hedyotis purpurea</i> var. <i>montana</i>)	1	8	Enforce laws protecting the species and/or its habitat	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Law Enforcement Division, U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Other: Law Enforcement, Other: Regulations	Labor type not yet selected	
Roan Mountain bluet (<i>Hedyotis purpurea</i> var. <i>montana</i>)	1	9	Annually assess the success of recovery efforts for the species	Ongoing Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Endangered Species Division, Other Federal Agencies, State Conservation Agencies, USFWS Regional Office 4	Other	Labor type not yet selected	